

used herein, "non-fetal" refers to the fact that the progeny cells are expanded from



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Table E1: Sequences of PCR Primers

3	<u>Gene</u>	Sequence Product	Size
4		(bţ))
5		A CAMPAGA CHICA POPA CA CA A COCA 1050 ID NO.41	070
6	CD68 sense	AGATTCGAGTCATGTACACAACCCA [SEQ ID NO:1]	279
7	CD68 antisense	GGTGCTTGGAGATCTCGAAG [SEQ ID NO:2]	
8		TOTO CTCT COCOCTO CTCCC ISEO ID NO:21	260
9	P _{2Y1} R sense	TGTGGTGTACCCCCTCAAGTCCC [SEQ ID NO:3]	
10	P _{2Y1} R antisense	ATCCGTAACAGCCCAGAATCAGCA [SEQ ID NO:4]	
11	D. D. somoo	CCAGGCCCCGTGCTCTACTTTG [SEQ ID NO:5]	367
12	P _{2Y2} R sense	CATGTTGATGGCGTTGAGGGTGTG[SEQ ID NO:6]	•
13 14	P _{2Y2} R antisense	CATOTTOATOGCOTTOAGGGTGTG[GEQ ID NO.0]	
15	CXCR4 sense	TTCTACCCCAATGACTTGTG [SEQ ID NO:7]	206
16	CXCR4 antisense	ATGTAGTAAGGCAGCCAACA [SEQ ID NO:8]	
17	On Ott i unitidonido		
18	MIP-1a sense	ACCATGGCTCTCTGCAACCA [SEQ ID NO:9]	393
19	MIP-1α antisense	TTAAGAAGAGTCCCACAGTG[SEQ IDNO:10]	
20	14111 1 0 0 0 1 1 1 1 0 0 1 1 0 1	,	
21	MIP-1β sense	CCTGCTGCTTTTCTTACACC [SEQ ID NO:11]	336
22	MIP-1β antisense	CACCTAATACAATAACACGGC [SEQ ID NO:12]	
23	titit - 1 p anticonce		
24	MCP-1 sense	ATAGCAGCCACCTTCATTCC [SEQ ID NO:13]	466
25	MCP-1 antisense	TTCCCCAAGTCTCTGTATCT [SEQ ID NO:14]	
26	11.01		
27	IL-1β sense	AAAAGCTTGGTGATGTCTGG [SEQ ID NO:15]	179
28	IL-1β antisense	TTTCAACACGCAGGACAGG [SEQ ID NO:16]	
29			
30	IL-2 sense	ATGGTTGCTGTCTCATCAGC [SEQ ID NO:17]	301
31	IL-2 antisense	CTGGAGCATTTACTGCTGGA [SEQ ID NO:18]	
32		1050 ID NO.40	459
33	IL-3 sense	ATGAGCCGCCTGCCCGTCCTG [SEQ ID NO:19]	
34	IL-3 antisense	AAGATCGCGAGGCTCAAAGTCGTCTGTTG [SEQ II	J NO:20J
35		THE REPORT OF THE PROPERTY OF	227
36	IL-4 sense	GACACAAGTGCAATATCACC [SEQ ID NO:21]	337
37	IL-4 antisense	AAGTTTTCCAACGTACTCTG [SEQ ID NO:22]	
38		GAGGATGCTTCTGCATTTGAGTTTG [SEQ ID NO:23	1 295
39	IL-5 sense	GAGGATGCTTCTGCATTTGAGTTTG (OLG ID NO.20 GTCAATGTATTTCTTTATTAAGGACAAG (SEQ ID N	JO:241
40	IL-5 antisense	GICAAIGIAITICITTATTAAGGACAAGGEGIO	10.47)
41		GTGTGAAAGCAGCAAAGAGGC [SEQ ID NO:25]	159
42	IL-6 sense	CTGGAGGTACTCTAGGTATAC [SEQ ID NO:26]	
43	IL-6 antisense	CIUUAUUIACICIAUUIAIAO [GEQ ID NO.20]	
4.4			

Table E1: Sequences of PCR Primers (continued)

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3 4 5	<u>Gene</u>	Sequence Product Size (bp)	} ·
6 7 8	IL-7 sense IL-7 antisense	TGTTGAACTGCACTGGCCAG [SEQ ID NO:27] GCAACTGATACCTTACATGG [SEQ ID NO:28]	484
9 10 11	IL-8 sense IL-8 antisense	ATGACTTCCAAGCTGGCCGTG [SEQ ID NO:29] TATGAATTCTCAGCCCTCTTCAAAA [SEQ ID NO:30]	301
12 13 14	IL-9 sense IL-9 antisense	ATGCTTCTGGCCATGGTCCT [SEQ ID NO:31] TATCTTGCCTCTCATCCCTC [SEQ ID NO:32]	375
15 16 17	IL-10 sense IL-10 antisense	AGATCTCCGAGATGCCTTCAGCAGA [SEQ ID NO:33] CCTTGATGTCTGGGTCTTGGTTCTC [SEQ ID NO:34]	194
18 19	IL-11 sense IL-11 antisense	ACTGCTGCTGCAAGACTCGGCTGTGA [SEQ ID NO:35] ATGGGGAAGAGCCAGGGCAGAAGTCTGT [SEQ ID NO:3	
20 21 22	IL-12 sense IL-12 antisense	TCACAAAGGAGGCGAGGTTCTAAGC [SEQ ID NO:37] CCTCTGCTGCTTTTGACACTGAATG [SEQ ID NO:38]	213
23 24 25	IL-13 sense IL-13 antisense	ACCCAGAACCAGAAGGCTCCG [SEQ ID NO:39] TCAGTTGAACCGTCCCTGGCG [SEQ ID NO:40]	198
26 27 28	IL-15 sense IL-15 antisense	AAACCCCCTGCCATAGCCAACTCTT [SEQ ID NO:41] CTTCTGTTTTAGGGAGCCCTGCACT [SEQ ID NO:42]	202
29 30 31	TNF- α sense TNF- α antisense	CAAAGTAGACCTGCCCAGAC [SEQ ID NO:43] GACCTCTCTCTAATCAGCCC [SEQ ID NO:44]	490
32 33 34	NF-M sense NF-M antisense	TGGGAAATGGCTCGTCATTT [SEQ ID NO:45] CTTCATGGAAGCGGCCAATT [SEQ ID NO:46]	333
35 36 37	MBP sense MBP antisense	ACACGGGCATCCTTGACTCCATCGG [SEQ ID NO:47] TCCGGAACCAGGTGGGTTTTCAGCG [SEQ ID NO:48]	510
38 39 40	GFAP sense GFAP antisense	GCAGAGATGATGGAGCTCAATGACC [SEQ ID NO:49] GTTTCATCCTGGAGCTTCTGCCTCA [SEQ ID NO:50]	266
41 42 43 44	B7-2 sense B7-2 antisense	CTCTTTGTGATGGCCTTCCTG [SEQ ID NO:51] CTTAGGTTCTGGGTAACCGTG [SEQ ID NO:52]	464

1 2		Table El: Sequences of PCR Primers (continued)	
3	<u>Gene</u>	<u>Sequence</u>	Product Size
4 5 6	G3PDH sense	CCATGTTCGTCATGGGTGTGAACCA [SEQ ID NO:53]	251
7 8	G3PDH antisense	GCCAGTAGAGGCAGGGATGATGTTC [SEQ ID NO	D:54]
9 10	bp = base pairs.		

1	Gene expression of cytokines and chemokines following AB treatment
2	Gene expression of cytokines and chemokines in HM or HM06.A1 cells was
3	examined following a 6 hr treatment with or without 20 μM of $A\beta_{25-35}$ (NH ₂ -
4	GSNKGAIIGLM-COOH) [SED ID NO:55]. LPS at 100 ng/ml was used in microglial cultures
5	since LPS is a potent activator of microglia [Gebicke-Jiacter J. Neurosci. 9: 187-194 (1989);
6	Suzumuraetal., <u>Brain Res</u> . <u>545</u> : 301-306 (1991)].
7 8	ELISA analysis
9	Production of TNF-α, IL-1β, IL-6, IL-8 or MIP-la in normal human microglial cells
10	or HMO6.A1 cells was determined in spent culture supernatants using ELISA kits specific
11	for human TNF- α , IL-I β , IL-6, IL-8 or MIP- I α (R&D Systems, capable of detecting TNF- α
12	at 4.4 pg/ml, IL-1 β at 1 pg/ml, IL-6 at 0.70 pg/ml, IL-8 at 10 pg/ml and MIP-I α at 10 pg/ml).
13	At the end of each experiment, culture supematants were collected, centrifuged, and stored at
14	-70CC.
15	
16	Experimental Series I: Isolation of human microglia cell lines
17	
18	Microglial-enriched populations were isolated from primary cultures of embryonic
19	human telencephalon cells by virtue of differences in dish-adherent properties. The major
20	differences are shown by Figs. 2A-2D respectively.
21	Fig. 2 as a whole shows the morphological appearance, and antigenic and functional
22	tests of HM and HMO6.A1 cells. Fig. 2A is a phase contrast microscopy of HM; and Fig. 2B